

3-03-2003

State of Louisiana
Department of Transportation and Development (DOTD)
Materials and Testing Section Qualification Procedure
for
Qualified Products List 29

**FORM RELEASE AGENTS
FOR PORTLAND CEMENT CONCRETE PRODUCTS**

MATERIAL SPECIFICATION REFERENCE:

DOTD Standard Specifications, Supplemental Specifications and Special Provisions, Subsections 805.09(f), 805.14(d), and 1018.25 (copy attached).

PRELIMINARY REQUIREMENTS:

Qualified Product Evaluation Form

The manufacturer shall submit a standard "Qualified Product Evaluation Form" (copy attached) to the DOTD Materials and Testing Section Coordinator listed below, along with a letter requesting evaluation for the Qualified Products List.

Product Data Sheets

Include product data sheets to provide all pertinent information relative to the product to be evaluated, including, but not limited to, manufacturer's specifications, mixing instructions if required, recommended application procedure and rate, and typical analysis and Materials Safety Data Sheet. (MSDS)

Samples (to be furnished at no cost to the Department)

Submit a Liter (a quart) sample of the product for evaluation.

Laboratory Testing

The evaluation sample will undergo an infrared ray analysis for comparison purposes.

FIELD TEST REQUIREMENTS:

Field Evaluation

Upon completion of all the above preliminary requirements, the manufacturer will be contacted for field testing. This field evaluation will be handled by DOTD Construction Fabrication Section at a prestressed concrete facility. The manufacturer shall furnish the material and all necessary equipment for field evaluation. Manufacturer's representative may be required during the field test. Please contact DOTD Construction Fabrication Section Coordinator listed below.

One set of side forms in a girder pour will receive an application of the proposed material in order that a comparison can be made.

A set of three test cylinders will be made in molds treated with an application of the proposed material.

After the concrete cylinders have been cured in the same manner as the girders, they will be removed from the molds. At that time, one cylinder will receive an application of Special Surface Finish material conforming to the requirements of Sections 805.13(c) and 1011.03 of the Standard Specifications. A second cylinder will receive an application of the Special Surface Finish at seven days. The third cylinder will receive an application of the Special Surface Finish at 28 days. After the Special Surface Finish has been allowed to cure, an examination of the cylinders will be made to determine if the Special Surface Finish satisfactorily adheres to the concrete.

All costs and liability for the evaluation will be borne by the manufacturer.

Evaluation Time

Laboratory testing - 2 weeks

Field evaluation - 3 months

GENERAL:

Upon completion of the evaluation, the submitter will be notified in writing concerning the results of the evaluation and whether the product will or will not be added to the Qualified Products List. The Department reserves the right to reevaluate any product at any time.

PROJECT ACCEPTANCE REQUIREMENTS:

Qualification of a product is not blanket approval for its use. Any form release agents on the list may be used without sampling and pretesting provided it is properly identified as being the specific product on the list. However, sampling and testing before use may be required whenever a product is questionable for any reason.

DISQUALIFICATION:

Any product may be removed from the Qualified Products List should any problem develop concerning formulation, application or performance. The Department must be notified in writing of any change in product formulation. Significant changes may require reevaluation of the product.

REQUALIFICATION:

A product which has been disqualified and removed from the Qualified Products List will be considered for reevaluation only after submission of a written request along with acceptable evidence that the problems causing the disqualification have been resolved.

DOTD CONSTRUCTION FABRICATION SECTION COORDINATOR

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DOTD MATERIALS & TESTING SECTION COORDINATOR

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Approved 03-03-2003

N. D. HOOD, P.E.
MATERIALS ENGINEER ADMINISTRATOR